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TO: Commissioner for Patents  
**MS Patent Applications**  
Alexandria, VA 22313-1450

**PTO Customer  
Number 27849**

Attorney Docket No. **249/286 DIV.**

**DIVISIONAL APPLICATION / UTILITY PATENT APPLICATION TRANSMITTAL**  
**(new nonprovisional application under 37 CFR 1.53(b))**

Transmitted herewith for filing is the patent application of:

**INVENTOR(S):** Soo-doo CHAE; Byong-man KIM; Moon-kyung KIM; Hee-soon CHAE;  
Won-il RYU

**TITLE:** SINGLE ELECTRON MEMORY DEVICE COMPRISING QUANTUM DOTS BETWEEN  
GATE ELECTRODE AND SINGLE ELECTRON STORAGE ELEMENT AND  
METHOD FOR MANUFACTURING THE SAME

In connection with this application, the following are enclosed:

**APPLICATION ELEMENTS:**

- Application Text (Specification, Claims, Abstract) - 39 TOTAL PAGES
- Drawings - Total Sheets 8 (depicting Figures 1-16, inclusive)
- Declaration and Power of Attorney - Total Sheets 3.
  - Newly executed (original or copy)
  - Copy of signed Declaration from a prior application (37 CFR 1.63(d))  
(relates to continuation/divisional boxes completed) - NOTE: Box below
  - DELETION OF INVENTOR(S) - Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Incorporation By Reference (useable if copy of prior application Declaration being submitted)

The entire disclosure of the prior application, from which a COPY of the oath or declaration is supplied as noted above, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

- Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - Computer Readable Copy
  - Paper Copy (identical to computer copy)
  - Statement verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement (when there is an assignee)
- English Translation Document (if applicable)
- Information Disclosure Statement (IDS) with PTO/SB/08 (A *and/or* B). — Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503)
- Applicants claim SMALL ENTITY status.
- Confirmation Claim for Priority
- OTHER: Deposit Account charge authorization (Deposit Account No. 50-1645)

If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

- Continuation  Division  Continuation-in-part (CIP) of prior application Serial No. **10/125,597**
- Amend the specification by inserting before the first line the following sentence: -- This application is a **DIVISION** of application Serial No. **10/125,597**, filed **April 19, 2002**. --

**CORRESPONDENCE ADDRESS:**

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**Fee Calculations:** (Small entity fees indicated in parentheses.)

(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$770.00
Total Claims	30 - 20 =	10	x \$18	180.00
Independent Claims	3 - 3 =	0	x \$86	0.00
Multiple Dependent Claims			\$290	None
				<b>TOTAL FEE: \$ 950.00</b>

**Assignment:**

The parent application is assigned of record to:

SAMSUNG ELECTRONICS CO., LTD., Suwon-city, Kyungki-do, Republic of Korea

Assignment recorded: April 19, 2002 — Reel / Frame: 012820 / 0606-7

**Method of Payment:**

The Commissioner is hereby authorized to charge the statutory filing fee to Deposit Account No. 50-1645.

Respectfully submitted,

Date: October 9, 2003



Eugene M. Lee, Reg. No. 32,039

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**DEPOSIT ACCOUNT CHARGE AUTHORIZATION**

If fee payment is enclosed, this amount is believed to be correct. However, the Director is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-1645.

Any additional fee(s) necessary to effect the proper and timely filing of the above paper may also be charged to Deposit Account No. 50-1645.